BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Detailed Estime for construction of Electrical timer cables and power saving arrangements with all accessories in Ward No 4

Budget Head

Ward No.4 **Estimate No.....** **For Rs. 19,99,000.00**

Sl No	Description Of Work	Qty	Rate	Unit	Amount
	KPWD (Ele) S.R.2010-11				
1 19/12	Supplying High pressure sodium vapour street light fitting die cast aluminium canopy with aluminium housing for control gear, finished stove enamel gray glassy white canopy interior with a pair of anodized aluminium reflectors with toughened flat glass, gasket lining for drip insect resistance duly wired with porcelain holder copper choke, igniter and HPF condenser including a sodium vapour lamp. II 250 Wattsa) Group 'A'	60	6150.00	Each	369000.00
2 28/1	Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. b) Using 32mm dia G.I pipe	60	685.00	Each	41100.00
3 78/32	Supply and fixing of ..... cross arm including all Hardwares compete as per the standard technical specification. b) 2 Pin 45x45x5mm-510mm	80	123.00	Each	9840.00
4 79/37	Supplying and Fixing..... including all Hardwares etc complete as per the Standard technical Specification. a) 1.1 KV Pin insulator	120	70.00	Each	8400.00
	d) No.8 Strain Insulator	25	24.00	Each	600.00
5 79/39	Supplying and stringing of ACSR Conductor (6/2.59mm Al+1/2.59mm steel)	2500	19.80	Mtr	49500.00
6 79/36	Supplying and fixing ..... including all Hardwares etc complete as per the standard technical specification e) RCC Clamp	80	61.00	Each	4880.00
7 41/38	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pain and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete b) 16 SWG	237500	0.33	sqcm	78375.00
8 32/3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete d) 100 Amps	25	415.00	Each	10375.00
9 32/9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc., Group 'A' PWD SR 2007-08	25	4200.00	Each	105000.00
10 36/12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. a) 5-32 Amps SP 1) Group 'A'.	25	195.00	Each	4875.00

11 34/8	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. d) 100-125 Amps	25	7450.00	Each	186250.00
12 41/37	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . (32.9a) a) 40x40x6mm	100	240.00	Rmtr	24000.00
13 68/4	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Classl. Class 'A' PVC Cable d) 4 core 16sqmm	500	150.00	per mtr	75000.00
14 69/5	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required.II. On wall /Structure a) 6 sqmm to 16sqmm	500	18.00	Rmtr	9000.00
15 73/20	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes f) 16 sqmm	200	14.00	Each	2800.00
16 34/9	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetci Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics) THREE POLE a) 100 Amps 25 kA,2) Group 'B'	25	3460.00	Each	86500.00
17 41/36	Supplying.....amps rated 3 phase with neutral bus bar using requirement capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6 mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.a) 100Amps 4x30x6mm Alluminium Strips	6	1600.00	Rmtr	9600.00
18 78/29	Supply and erection of .....mtr RCC pole including earth work etc., complete as per the standard technical specification. b) 9 Mtr 145Kg WL	35	6583.00	Each	230405.00
19 18/9	Supplying 70/125 Watts MH integral post top lantern Metal halide fitting suitable for pole mounted with fully vermin, weather proof, elegant in shpae, appearance, UV stabilized clear acrylic diffusers, camouflaged horizontal lamp, IP 54 protection. Electrical safety class 1. The fitting shall have ferromagnetic copper choke with capacitor, igniter and fully wired to operate on 230 V 50Hz AC supply with 70 /125 Watts MH Lamp..a) Group 'A'	90	5230.00	Each	470700.00
20 20/14	Supplying High pressure... Watts Metal halide flood light luminary suitable for use with high pressure metal halide lamp with integrated control gear. The fitting shall be non corrosive high pressure die cast aluminium housing with low copper content black/grey powder coated pain finish including wiring, suitable to operate on 230/250 Volts 50 Hz AC supply with 3 Watts IP Metal halide lamps.III 250 Watts a) Group 'A'	4	8000.00	Each	32000.00
	BESCOM S.R Rates				
21 I.no-258	LT 3 phase 5 wire Aerial Bunched Cable of size 3X25+1X16+1X25+1X35 sqmm (Standard Stock materials 2010-11)	1500	81.45	P/Mtr	122175.00
22 I.no-26.5	Striniging of 1.1 KV grade aerial bunched 3 core cable of XLPE insulation standard aluminium conductor standard around a weather resistant black XLPE insulated AAA messanger wire (3X 25 Sq mm + 1X 16 sqmm + 1X 25Sqmm + 1X 35 sqmm)	1500	8.96	P/Mtr	13441.50

23 9/281	Piercing connector suitable 16 Sqmm - 95 Sqmm AB cable service connections (Standard Stock materials 2010-11)	120	210.00	Nos	25200.00
24 9/286	Dead End Clamp/ Anchor clamps assembly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11)	14	140.00	Nos	1960.00
25 9/287	suspension clamp assemblly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11)	60	280.00	Nos	16800.00
26 13/255	Errection of suspension clamp 25 to 95 sqmm bear messanger (Labour charges 2010-11)	60	85.00	Nos	5100.00
27 13/256	Errection of Anchor clamp 25 to 95 sqmm bear messanger (Labour charges 2010-11)	14	85.00	Nos	1190.00
28 13/261	Istallation of insulation piercing connector for main to street light Main: 16 -95 sqmm,Tap: 1.5-10 sqmm (EP 95)	120	40.00	Nos	4800.00
29	Missalaneous				133.50
	TOTAL				**1999000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) and Bescom S.R.2010-11 Rates.

Asst. Engineer

Asst. Executive Engineer
Yelahanka Satellite Town
BBMP, Bangalore-64

EXECUTIVE ENGINEER

Yelahanaka Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 1999000

Rupees Nineteen lakhs ninety nine thousand only

Under P2434 Developments works for Bangalore City

Registered as EE ( ) No 9.....9.....

Subject to conditions contained in enclosed memo EE ( ) No /9/....

Dt Estimate A/Sanctioned

JC/AA/505/12-13 No

dated 30/8/12 Rs 19,99,000

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

TECHNICALLY SANCTIONED FOR Rs. 19.99L

Rupees Nineteen Lakhs and Ninty Nine Thousand only

Under Special development grants

Registered as EE ( ) No 9 9

Subject to conditions contained in enclosed memo EE ( ) No /9/

Dt. sanctioned

EE/YNK/TS/64/2012-13 No

Dated 30/8/12 Rs. 19,90L

Executive Engineer